

Work Order ID 151565

151565

Page 1

Wednesday, September 28, 2016 11:44:07 A

Item ID: D139-1012-011

Accept

N900040100

Setup Start

NS1

Revision ID: URF 16-636

Stop

NS2

Item Name: AW139 High Capacity Cargo Net

Start Date: 9/28/2016 Start Qty: 1.00

1

Cust Item ID:

Required Date: 9/30/2016 Req'd Qty: 1.00

1

Customer:

Reference:

Approvals: Process Plan: W Date: _____ Tooling: _____ Date: _____

Run Start

NR1

QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Stop

NR2

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
--------------------------------	--------------------------	----------------------	---------	--------	--------------	---------------	---------------	------------------	----------------

Draw Nbr

Revision Nbr

D139-1012-011

A

D139-1012-011 Rev D
DS256 Rev D
DS366 Rev D
SHOULD BE REV D
5.16.10/30

102

0.00

102

QC

Memo

0.00

Quality Control

INSPECT RA112396

① 1609-23

DAS
9
9-89

104

0.00

104

Purchasing

Memo

0.00

Purchasing

SHIP NET BACK TO TULMAR FROM RA112396, FOR REWORK PER
DRWGS PROVIDED ON SEPT 27. RS151278 K-F
(RELEASED DRWGS TO FOLLOW BEFORE SPET 30)
PO 33790 12140479

u 1609-28

110

Document Control

0.00

110

DC

Memo

0.00

Doc.Control -USB or Paperwork

Photocopy bluefile and create labels as per PPP D139-1012-011 chg 001

Received SP 16-9-29

CHG 003

Work Order ID 151565

Wednesday, September 28, 2016 11:44:07 A

151565

Page 2

Item ID: D139-1012-011

Accept

N900040100

Setup Start

NS1

Revision ID: URF 16-636

Item Name: AW139 High Capacity Cargo Net

Stop

NS2

Start Date: 9/28/2016 Start Qty: 1.00

1

Cust Item ID:

Required Date: 9/30/2016 Req'd Qty: 1.00

1

Customer:

Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____

Run Start

NR1

QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Stop

NR2

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
--------------------------------	--------------------------	----------------------	---------	--------	--------------	---------------	---------------	------------------	----------------

120

Pick Kit

0.00

120

Packaging

Memo

0.00

Packaging

130

QC4- 100% Inspect kits for completeness

0.00

130

QC

Memo

0.00

Quality Control

140

0.00

140

Packaging

Memo

0.00

Packaging

Identify and pack for shipping as per PPP D139-1012-011

Location: _____

PPP Rev: _____

SHIP TO ERA



POSITIVE RECALL

EFFECTIVE _____ AUTH _____

RELEASED 5 DATE 16/09/30

To Rev 2 Drawing

Work Order ID 151565***151565***

Page 3

Wednesday, September 28, 2016 11:44:07 A

Item ID: D139-1012-011

Accept

N900040100Setup Start ***NS1***

Revision ID: URF 16-636

Stop ***NS2***

Item Name: AW139 High Capacity Cargo Net

Start Date: 9/28/2016 Start Qty: 1.00

1

Cust Item ID:

Required Date: 9/30/2016 Req'd Qty: 1.00

1

Customer:

Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____

Run Start ***NR1***

QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
150	QC21- Final Inspection - Work Order Release	0.00							
150									
QC	Memo	0.00							
Quality Control									

Em 16/09/30

Picklist Print

Page 1

Wednesday, September 28, 2016 11:44:06 AM

Work Order ID: 151565

151565

Parent Item: D139-1012-011

D139-1012-011

Parent Item Name: AW139 High Capacity Cargo Net

Start Date: 9/28/2016

Required Date: 9/30/2016

Start Qty: 1.00

Required Qty: 1.00

Comments: IPP REV:A 16.04.27 NEW ISSUE DD VERF:JLM

PRELIMINARY ISSUE

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
D139-1012-041		Manufactured	No				Each	2.0000					
D139-1012-041									**				
AW139 Cargo Net Assembly													

Location	Loc Qty	Loc Code
FG	1	
142012	1	
Return2016	1	
148479	1	

D5320-043

Manufactured No

Each 72.0000

D5320-043

D-Ring Assembly

**

Location	Loc Qty	Loc Code
ST164	72	
145154	16	
148493	56	

D5339-1

Manufactured No

Each 65.0000

D5339-1

Carabiner Clip

**

Location	Loc Qty	Loc Code
ST1623	15	
144002	15	
ST168A	50	
147097	50	

151565 ✓

✓ 145154 already at ERA from 140151278

✓ 144002 4 already at ERA from 140151278
SCRAPPED 151564

Picklist Print

Wednesday, September 28, 2016 11:44:06 AM

Page 2

Work Order ID: 151565

151565

Parent Item: D139-1012-011

D139-1012-011

Parent Item Name: AW139 High Capacity Cargo Net

Start Date: 9/28/2016

Required Date: 9/30/2016

Start Qty: 1.00

Required Qty: 1.00

D5397-1

Manufactured No

Each

46.0000

D5397-1

D Ring

Location

Loc Qty

Loc Code

ST167

6

145160

6

ST168A

40

148498

40

D5408-1

Manufactured No

Each

11.0000

D5408-1

Suspension Rope

Location

Loc Qty

Loc Code

ST518

11

148499

5

148659

6

D5409-1

Manufactured No

Each

20.0000

D5409-1

Placard

Location

Loc Qty

Loc Code

ST168

20

145164

6

148500

6

148681

8

D5409-3

Manufactured No

Each

20.0000

D5409-3

Placard

Location

Loc Qty

Loc Code

ST168

20

145165

4

148501

8

148632

8

PRELIMINARY ISSUE

Start Qty: 1.00

Required Qty: 1.00

**

✓ 145160

4 already at ERA
from w/o 151278

**

✓ 1

✓ 145162

**

✓ 2

2 already at ERA
from w/o 151278
✓ 145164

**

✓ 2

✓ 145165

Wednesday, September 28, 2016 11:44:06 AM

Shop Packet Print

Page 2

Picklist Print

Wednesday, September 28, 2016 11:44:06 AM

Page 3

PRELIMINARY IS

Work Order ID: 151565

151565

Parent Item: D139-1012-011

D139-1012-011

Parent Item Name: AW139 High Capacity Cargo Net

Start Date: 9/28/2016

Required Date: 9/30/2016

Start Qty: 1.00

Required Qty: 1.00

AN526-10R12

103Z-R12^u

Purchased

No

Each

0.0000

4

AN526-10R12

**

Screw

AN970-3

Purchased

No

Each

129.0000

4

AN970-3

**

Washer

Location

Loc Qty

Loc Code

ST321

129

m128057

3

m129630

126

MS21059L3

Purchased

No

Each

148.0000

2

MS21059L3

**

Nut Plate

Location

Loc Qty

Loc Code

GA

40

M135603

40

ST301

108

M135704

48

M135774

60

MS24665-136

Purchased

No

Each

229.0000

7

MS24665-136

**

Cotter Pins

Location

Loc Qty

Loc Code

ST289

229

2421

29

m135390

200

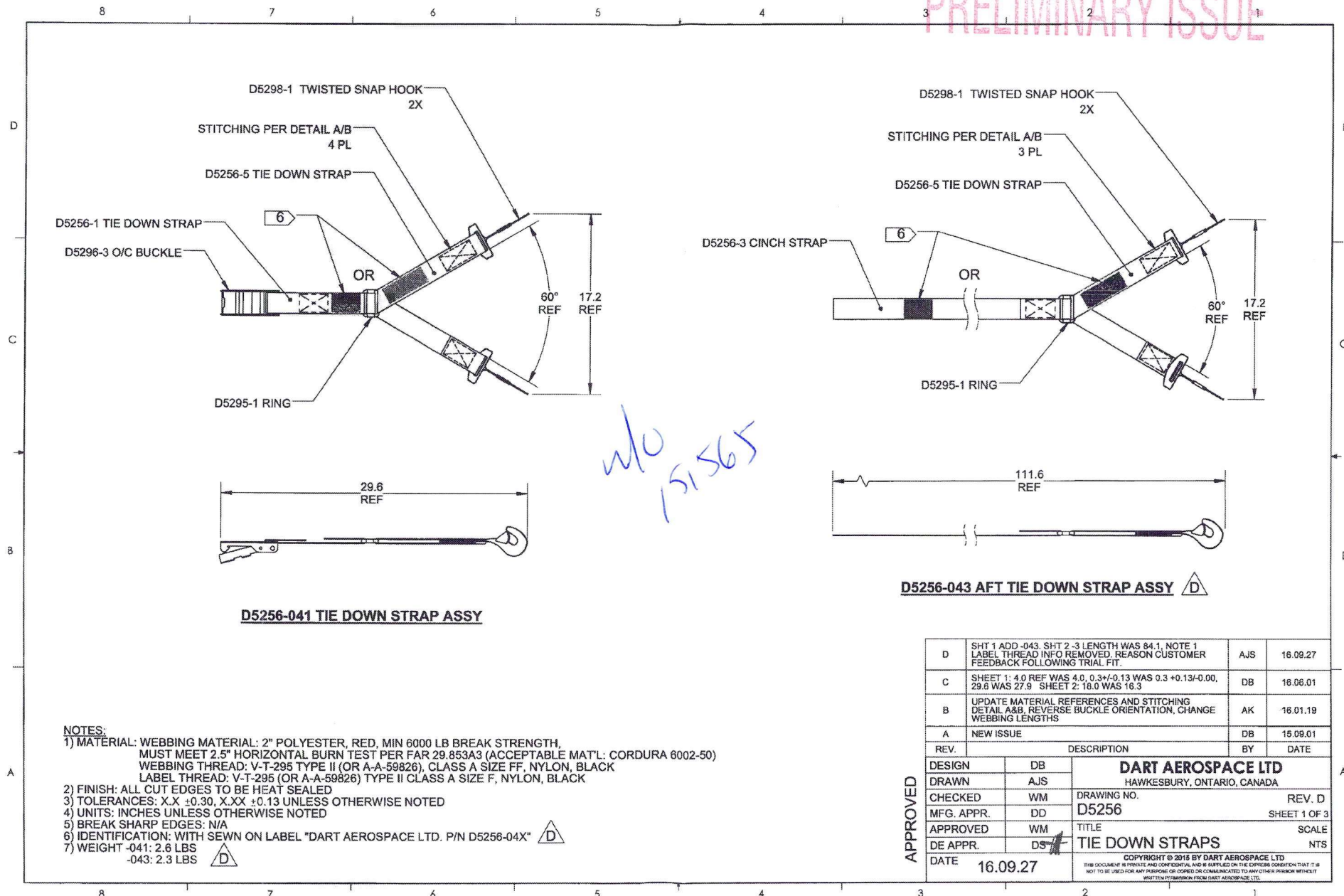
M1508

M129630

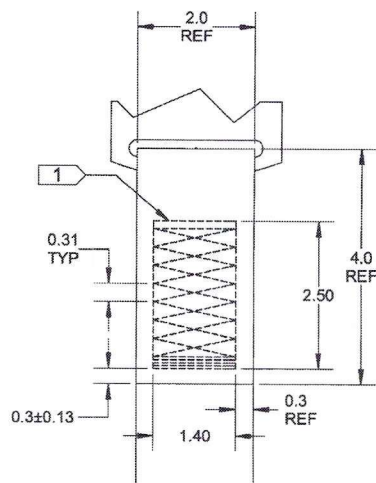
already at EPA
from w/o 151278
M135065

MZ421

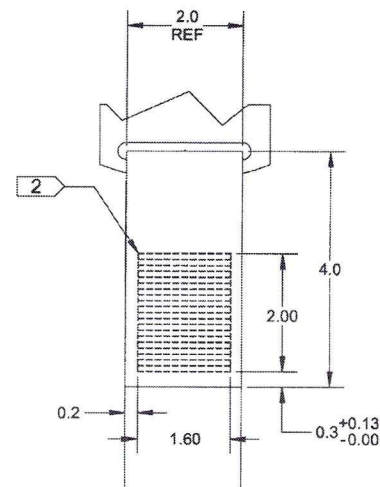
PRELIMINARY ISSUE



PRELIMINARY ISSUE



DETAIL A: STITCHING PATTERN
(ZIG ZAG PATTERN)



DETAIL B: ALTERNATE STITCHING PATTERN
(20 HORIZONTAL ROWS)

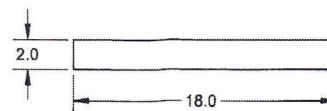
STITCHING NOTES:

- 1) ALL STITCHING TO BE MACHINE STITCHED IN ACCORDANCE WITH ASTM D6193 TYPE 301, 8-10 STITCHES PER INCH, MINIMUM 0.5" BACK STITCH
- 2) ALL STITCHING TO BE MACHINE STITCHED IN ACCORDANCE WITH ASTM D6193 TYPE 301 AND RAMM MPS 003, 5-7 STITCHES PER INCH, MINIMUM 0.5" BACK STITCH, REINFORCE FROM BACK SIDE USING P20701 BLACK POLYESTER THREAD, SIZE #207

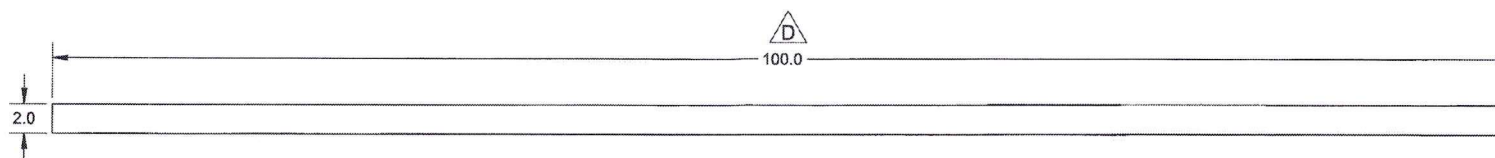
APPROVED

DESIGN	DB	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	AJS		
CHECKED	WM	DRAWING NO.	REV. D
MFG. APPR.	DD	D5256	SHEET 2 OF 3
APPROVED	WM	TITLE	SCALE
DE APPR.	DS	TIE DOWN STRAPS	NTS
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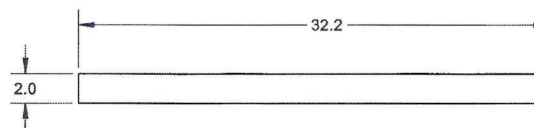
PRELIMINARY ISSUE



D5256-1 TIE DOWN STRAP



D5256-3 CINCH STRAP



D5256-5 TIE DOWN STRAP

NOTES:

- 1) MATERIAL: WEBBING MATERIAL: 2" POLYESTER, RED, MIN 6000 LB BREAKING STRENGTH, MUST MEET 2.5" HORIZONTAL BURN TEST PER FAR 29.853A3 (ACCEPTABLE MAT'L: CORDURA 6002-50)
- 2) FINISH: ALL CUT EDGES TO BE HEAT SEALED
- 3) TOLERANCES: X.X = ± 0.30 , X.XX = ± 0.13
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: N/A
- 6) IDENTIFICATION: N/A
- 7) WEIGHT: N/A

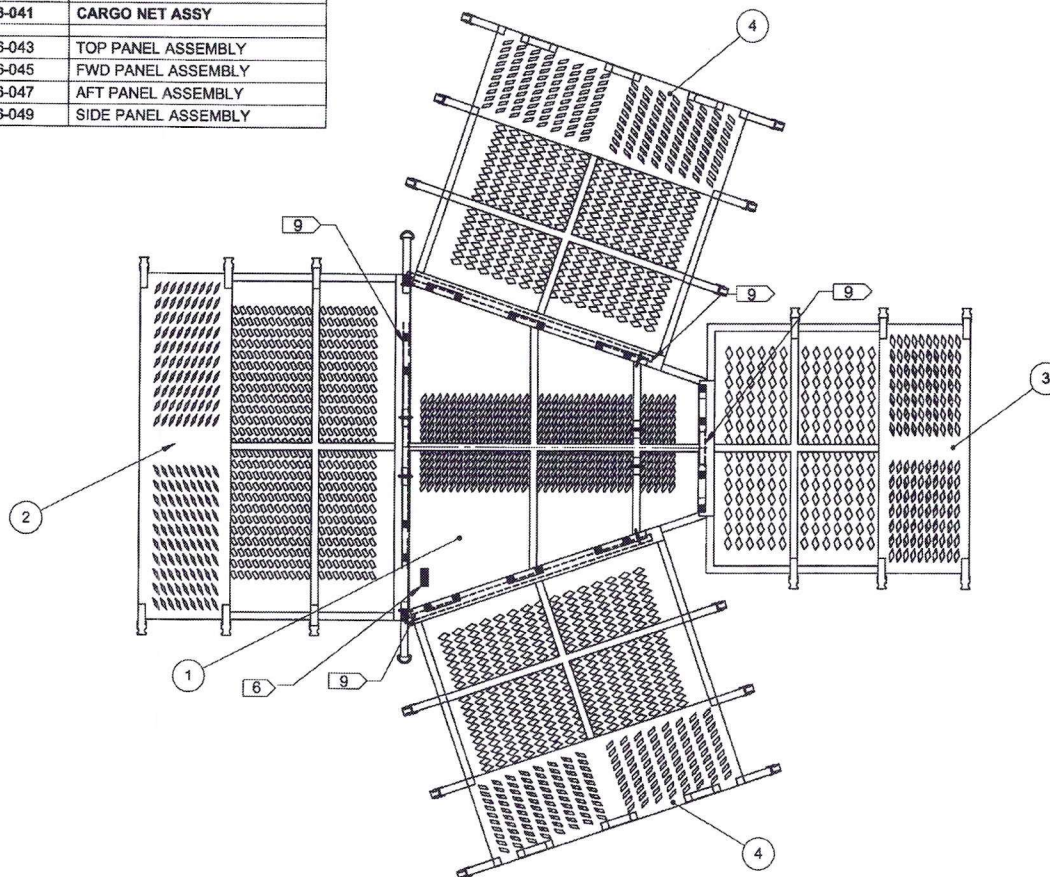
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DRAWN	AJS		
CHECKED	WM	DRAWING NO.	REV. D
MFG. APPR.	DD	D5256	SHEET 3 OF 3
APPROVED	WM	TITLE	SCALE
DE APPR.	DS	TIE DOWN STRAPS	NTS
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PRELIMINARY ISSUE

ITEM	QTY	P/N	DESCRIPTION
	X	D5366-041	CARGO NET ASSY
1	1	D5366-043	TOP PANEL ASSEMBLY
2	1	D5366-045	FWD PANEL ASSEMBLY
3	1	D5366-047	AFT PANEL ASSEMBLY
4	2	D5366-049	SIDE PANEL ASSEMBLY

TABLE 1: TOLERANCES	RANGE
+/- 0.13	0<2"
+/- 0.25	2<10"
+/- 0.50	10<20"
+/- 0.83	20<40"
+/- 1.5%	>40"
+/- 5°	ANGLES



D5366-041 CARGO NET ASSY

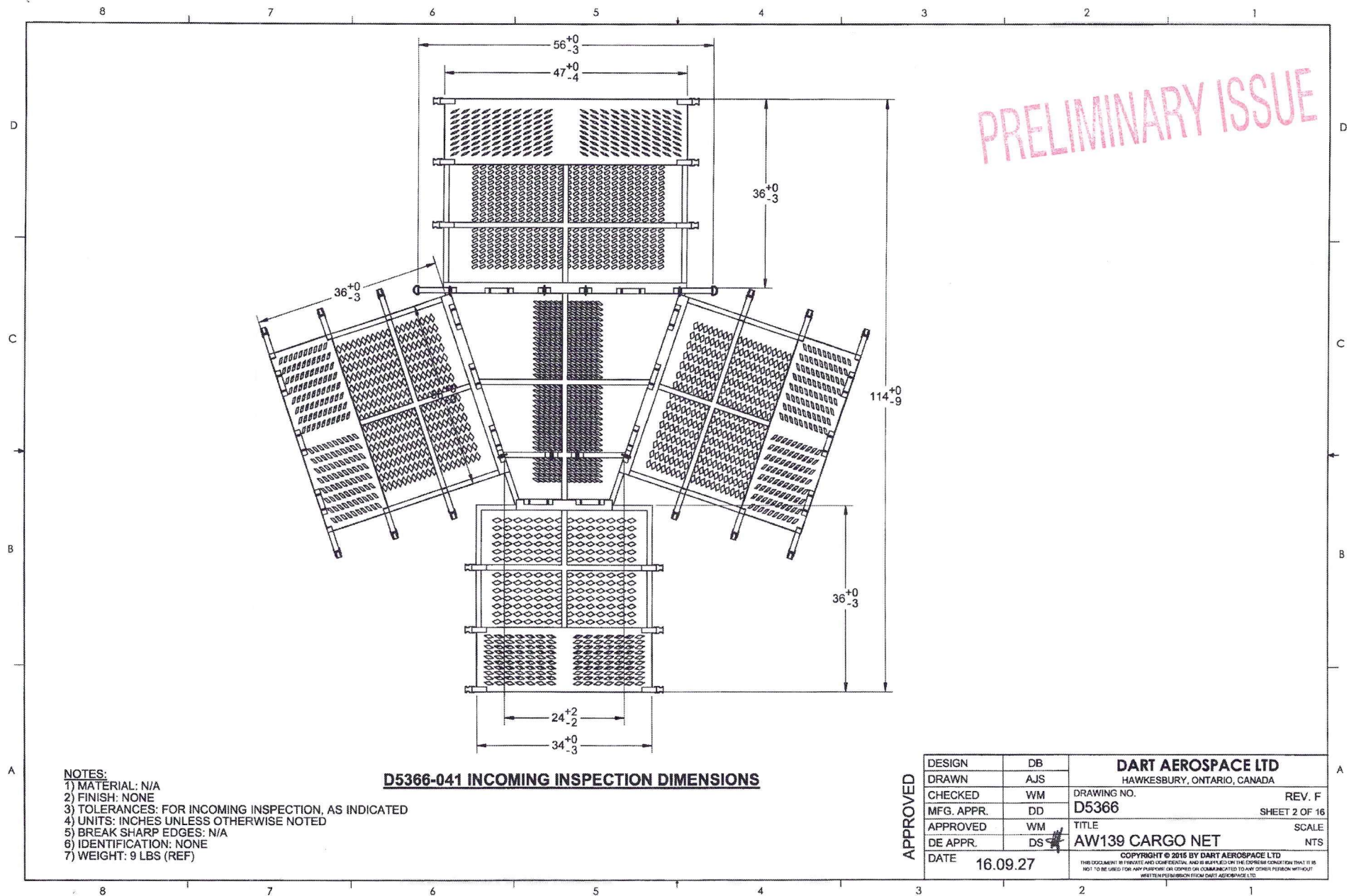
NOTES:

- 1) MATERIAL: N/A
- 2) FINISH: NONE
- 3) TOLERANCES: PER TABLE 1 UNLESS OTHERWISE STATED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: N/A
- 6) IDENTIFICATION: WITH SEWN ON LABEL "DART AEROSPACE LTD P/N D5366-041"
- 7) WEIGHT: 9 LBS (REFERENCE ONLY)
- 8) ALL STITCHING TO BE MACHINE STITCHED IN ACCORDANCE WITH ASTM D6193 TYPE 301, 8-10 STITCHES PER INCH, MINIMUM 0.5" BACK STITCH 0.8" X 0.8" BOX 'X' STITCHING TYPICAL AT ALL WEBBING INTERSECTIONS
- 9) D5366-045/-047/-049(2) PANEL ASSEMBLIES SEWN TO D5366-043 TOP PANEL ASSY WITH DOUBLE CONTINUOUS STITCH ALONG SEAM, 0.8 SPACING, CENTERED ON WEBBING.

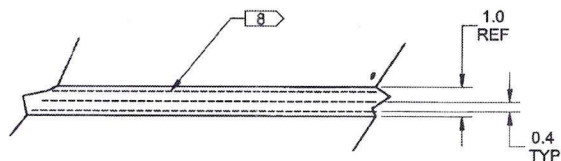
F	SHEETS 3 AND 4: ADDED (2) D-RINGS WITH LOOPS AND MOVED EXISTING D-RINGS OFF CENTER. D-RINGS ADDED TO UNDERSIDE. SHT 6: DELETED -33. SHEET 11: DELETED -31 AND REPLACE WITH -23. SHEET 14: DELETED -38 AND ADD 3X-7 AND 6X-31. SHEET 15: REDESIGN -31. REASON: CUSTOMER FEEDBACK POST TRIAL INSTALLATION.	AJS	16.09.27
E	SHT 3 ADDED ITEM 11. SHT 4 ADDED DETAIL A (D RING ROTATED 90°). SHT 4 -51 WAS -41. SHT 6 ADDED -53. SHT 14 -39 WAS 36.0 LONG. REASON: FACILITATE INSTALLATION.	AJS	16.09.09
D	ADD SHEET 2 (INSPECTION DIMENSIONS). REVISE NOTE 3 (SHEETS 2-15). ADD TABLE 1: TOLERANCES (SHEET 1). 0.8 X 0.8 BOX STITCH WAS 1.8 X 0.8 (SHEET 4). CORRECT PART WEIGHT (SHEET 1, 2). REMOVE PART WEIGHTS (SH 7, 10, 13) ADD TYPE VIIIb TO 2" WEBBING MATERIAL (SHEET 8). ADDED TOLERANCES TO LOCATION OF D5366-41 ONTO D5366-043 (SHEET 4)	DB	16.06.09
C	MAKE WEIGHTS REFERENCE ONLY (NOTE 7, SH 1, 2, 6, 9, 12). ADD D5366-41 CARABINER STRAP (2 PL, SH 2, 3). ADD D5366-5 D RING (2 PL). ADD D5366-21 D RING LOOP (2 PL, SH 2, 3)	DB	16.05.19
B	DELETE D5366-141. ADD D5321-5. D5366-21 D RING LOOP WAS D5366-21 HANGER LOOP	DB	16.02.08
A	NEW ISSUE	DB	15.11.27
REV.	DESCRIPTION	BY	DATE

DESIGN	DB	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	AJS		
CHECKED	WM	DRAWING NO.	REV. F
MFG. APPR.	DD	D5366	SHEET 1 OF 16
APPROVED	WM	TITLE	SCALE
DE APPR.	DS	AW139 CARGO NET	NTS
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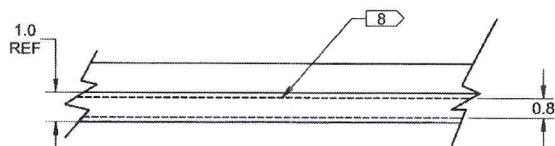
APPROVED



ITEM	QTY	P/N	DESCRIPTION
	X	D5366-043	TOP PANEL ASSY
1	12	D5321-5	D RING
2	1	D5366-1	TOP PANEL WEBBING
3	1	D5366-3	TOP PANEL MESH
4	4	D5366-5	LONG LOOP
5	6	D5366-7	SHORT LOOP
6	2	D5366-9	SIDE SEAM
7	1	D5366-11	FWD SEAM
8	1	D5366-13	AFT SEAM
9	8	D5366-21	D RING LOOP
10	2	D5366-51	CARABINER STRAP



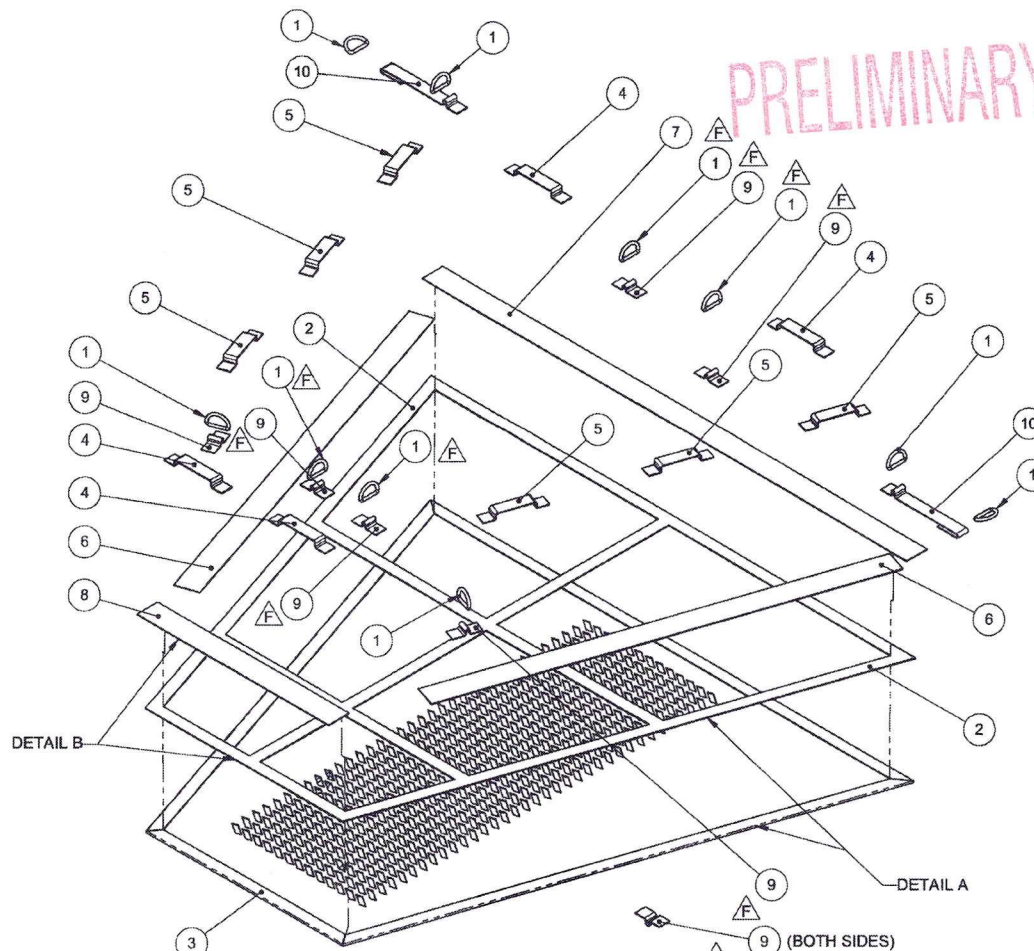
DETAIL A: TYPICAL MESH-TO-WEBBING STITCH PATTERN



DETAIL B: TYPICAL SEAM-TO-WEBBING STITCH PATTERN
(SHOWN FROM UNDERSIDE OF WEBBING, MESH REMOVED)

NOTES:

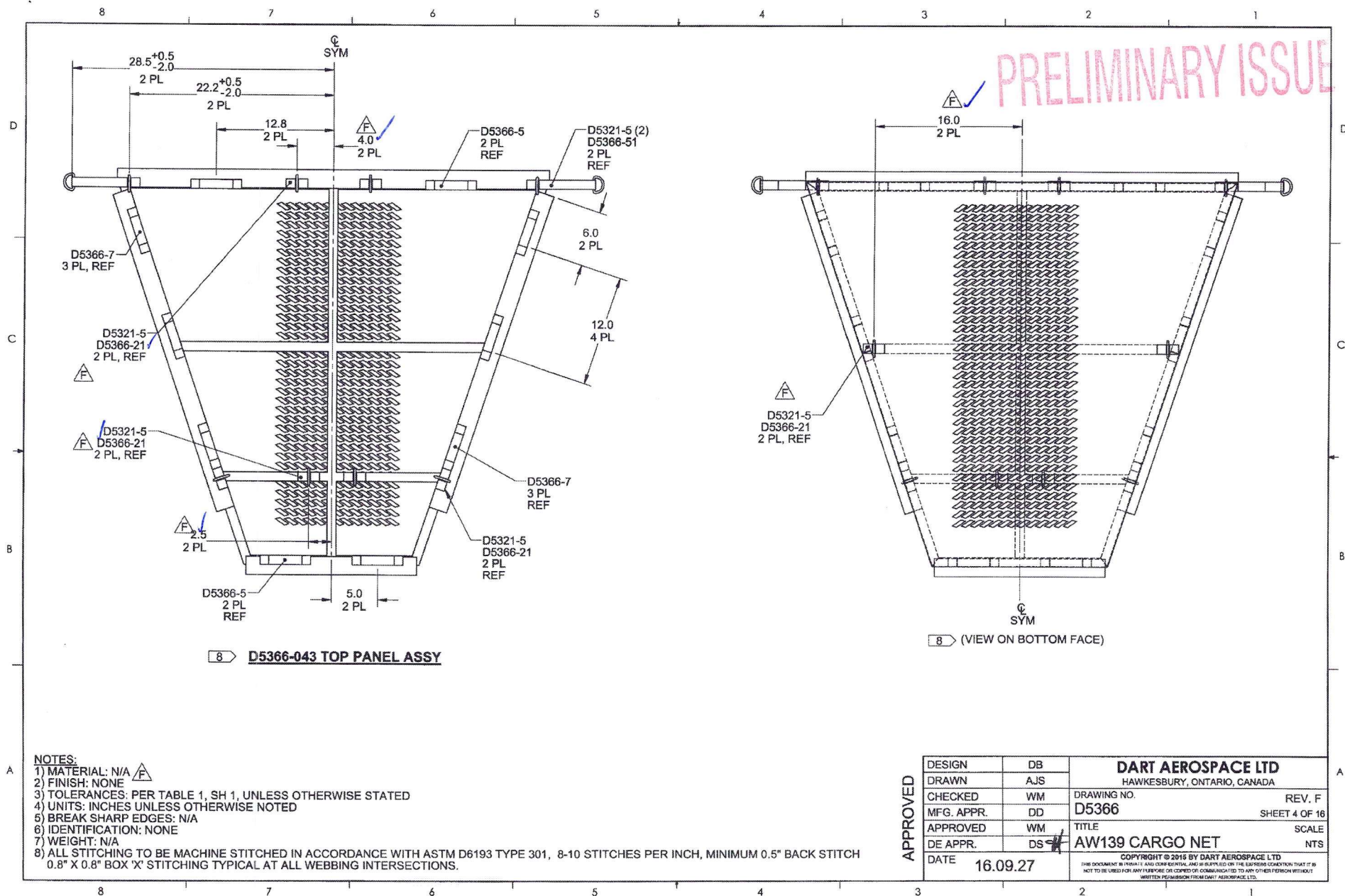
- 1) MATERIAL: N/A
- 2) FINISH: N/A
- 3) TOLERANCES: PER TABLE 1, SH 1, UNLESS OTHERWISE STATED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: N/A
- 6) IDENTIFICATION: N/A
- 7) WEIGHT: N/A
- 8) ALL STITCHING TO BE MACHINE STITCHED IN ACCORDANCE WITH ASTM D6193 TYPE 301, 8-10 STITCHES PER INCH, MINIMUM 0.5" BACK STITCH
0.8" X 0.8" BOX 'X' STITCHING TYPICAL AT ALL WEBBING INTERSECTIONS

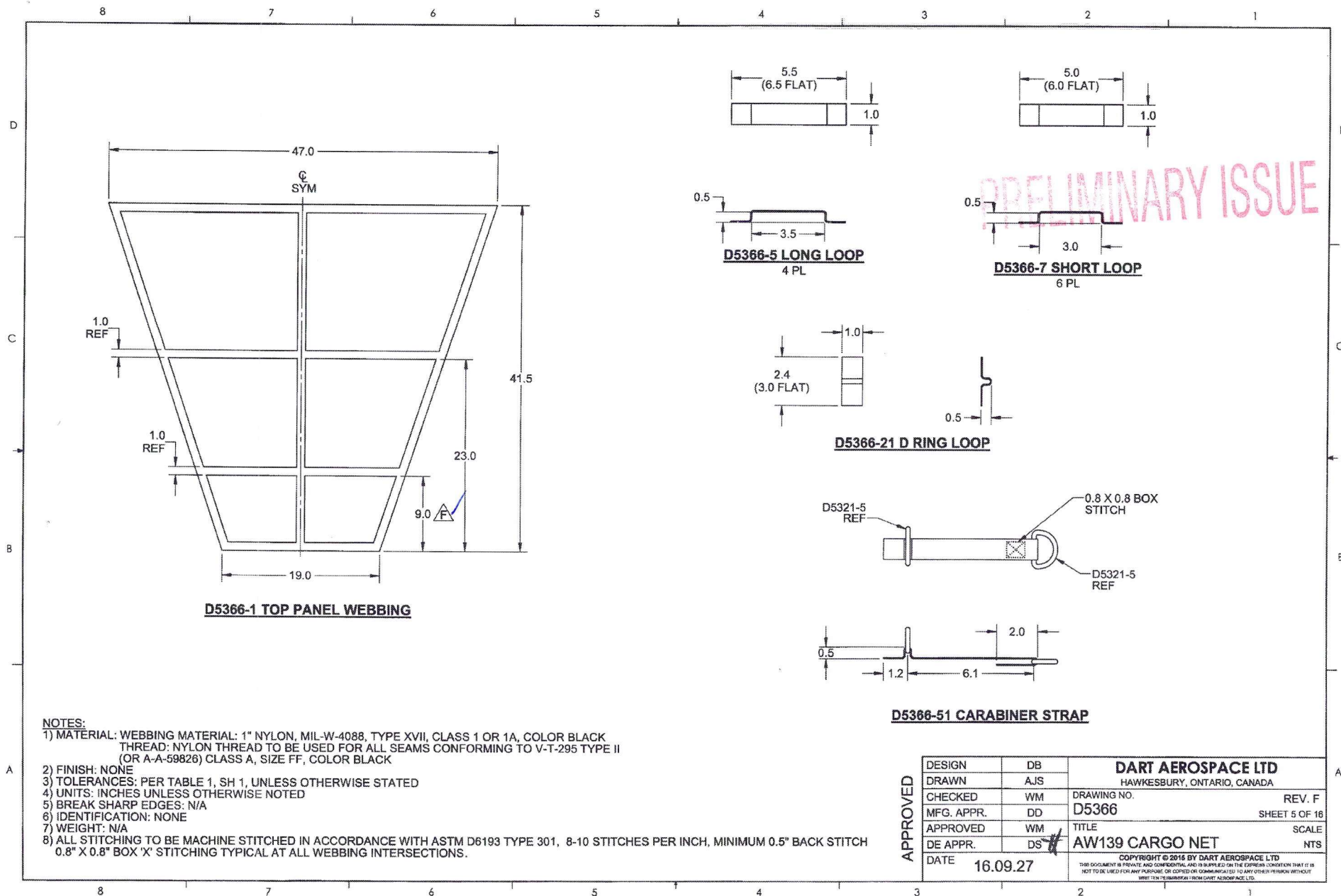


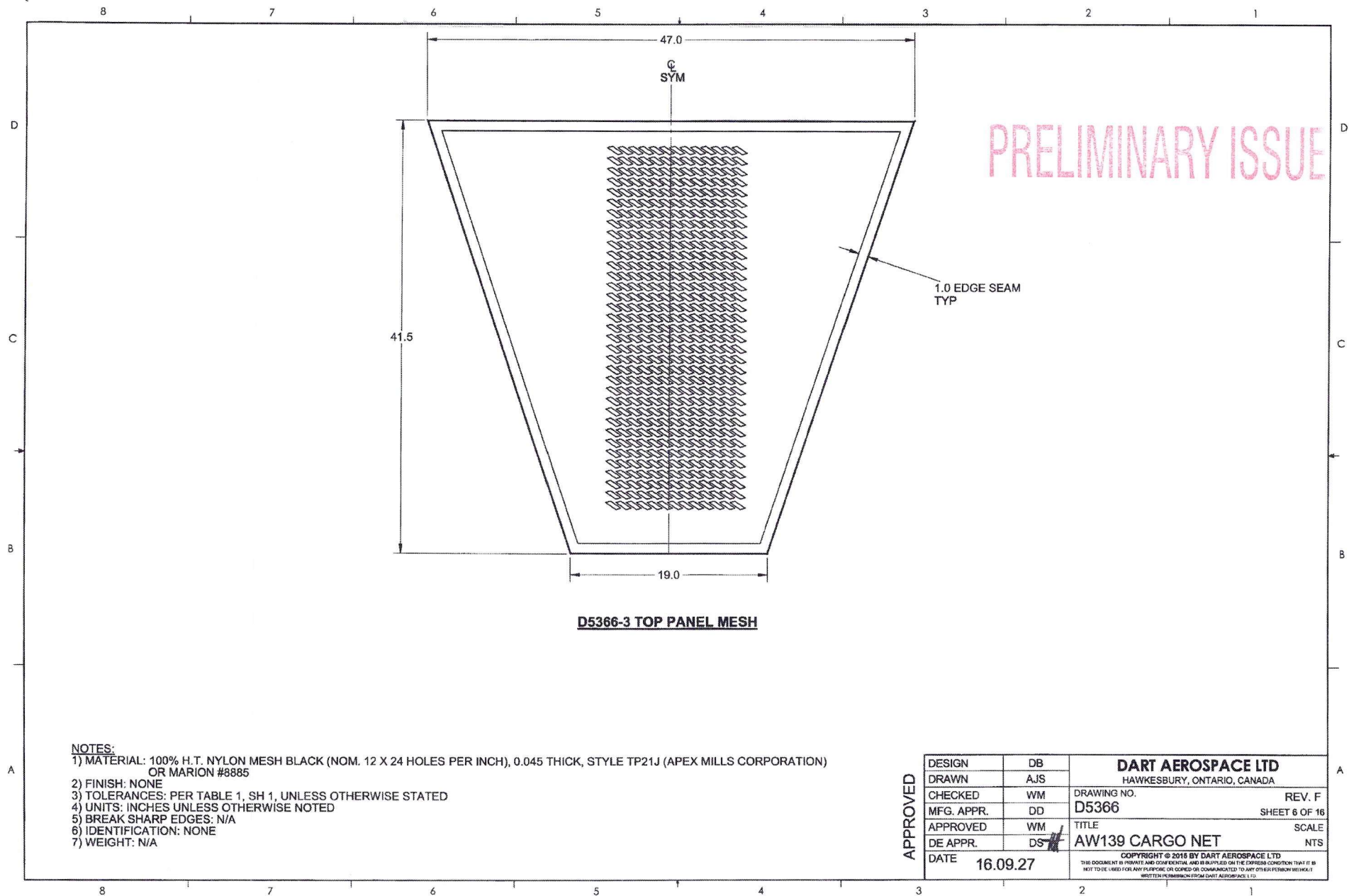
D5366-043 TOP PANEL ASSY
(EXPLODED VIEW)

APPROVED

DESIGN	DB	DART AEROSPACE LTD	
DRAWN	AJS	HAWKESBURY, ONTARIO, CANADA	
CHECKED	WM	DRAWING NO.	REV. F
MFG. APPR.	DD	D5366	SHEET 3 OF 16
APPROVED	WM	TITLE	SCALE
DE APPR.	DS	AW139 CARGO NET	NTS
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PRELIMINARY ISSUE

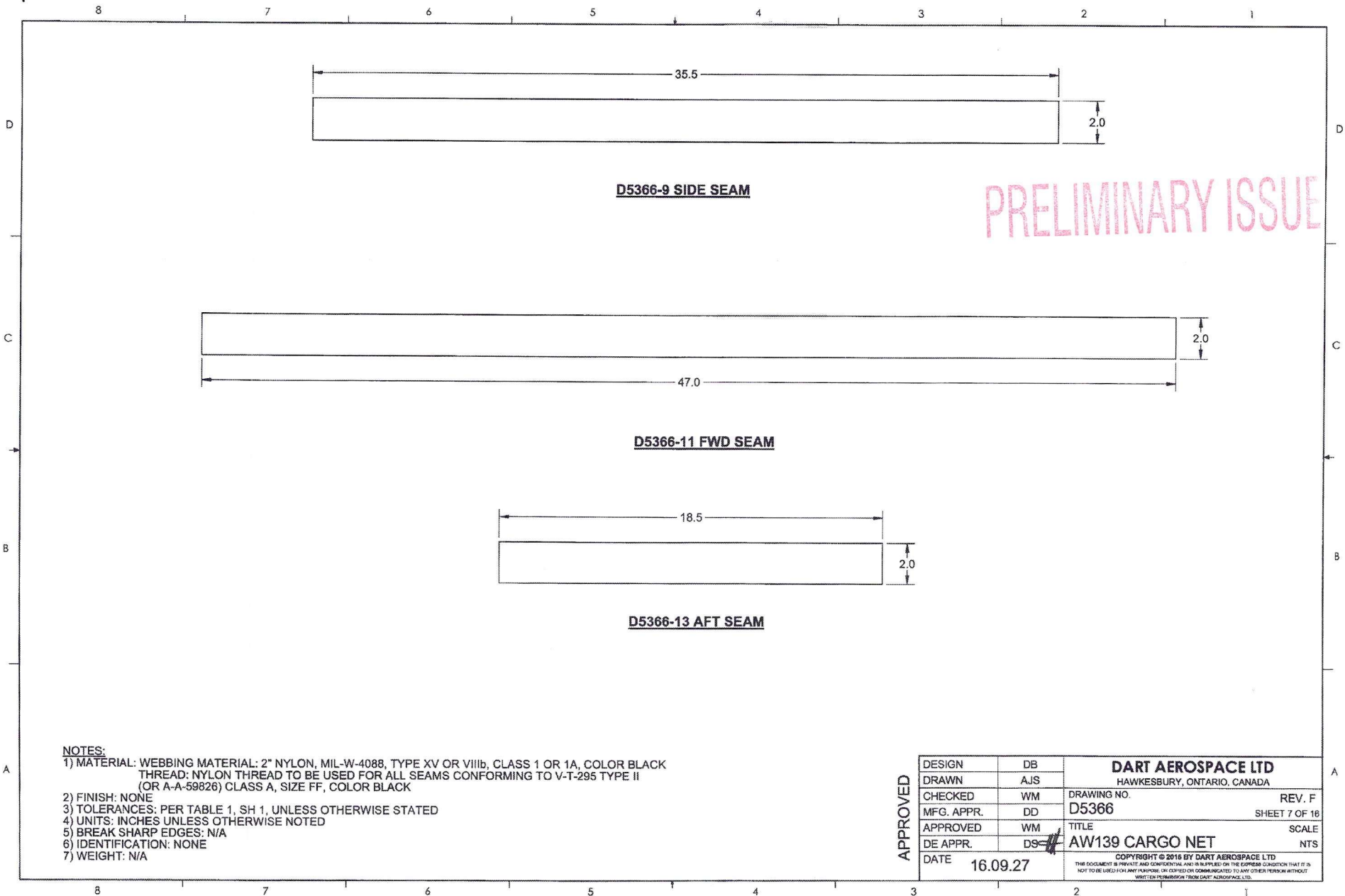
D5366-3 TOP PANEL MESH

NOTES:

- 1) MATERIAL: 100% H.T. NYLON MESH BLACK (NOM. 12 X 24 HOLES PER INCH), 0.045 THICK, STYLE TP21J (APEX MILLS CORPORATION) OR MARION #8885
- 2) FINISH: NONE
- 3) TOLERANCES: PER TABLE 1, SH 1, UNLESS OTHERWISE STATED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: N/A
- 6) IDENTIFICATION: NONE
- 7) WEIGHT: N/A

APPROVED

DESIGN	DB	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	AJS		
CHECKED	WM	DRAWING NO.	REV. F
MFG. APPR.	DD	D5366	SHEET 6 OF 16
APPROVED	WM	TITLE	SCALE
DE APPR.	DS	AW139 CARGO NET	NTS
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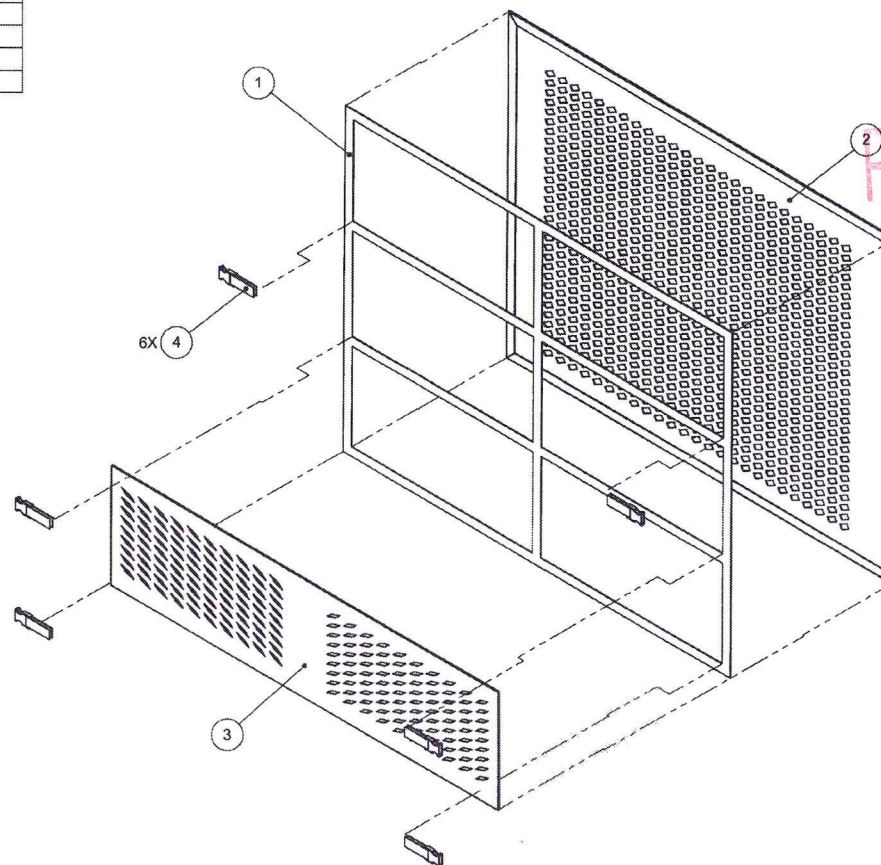
NOTES:

- 1) MATERIAL: WEBBING MATERIAL: 2" NYLON, MIL-W-4088, TYPE XV OR VIIb, CLASS 1 OR 1A, COLOR BLACK
THREAD: NYLON THREAD TO BE USED FOR ALL SEAMS CONFORMING TO V-T-295 TYPE II
(OR A-A-59826) CLASS A, SIZE FF, COLOR BLACK
- 2) FINISH: NONE
- 3) TOLERANCES: PER TABLE 1, SH 1, UNLESS OTHERWISE STATED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: N/A
- 6) IDENTIFICATION: NONE
- 7) WEIGHT: N/A

APPROVED

DESIGN	DB	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	AJS		
CHECKED	WM	DRAWING NO.	REV. F
MFG. APPR.	DD	D5366	SHEET 7 OF 16
APPROVED	WM	TITLE	SCALE
DE APPR.	DS	AW139 CARGO NET	NTS
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ITEM	QTY	P/N	DESCRIPTION
	X	D5366-045	FWD PANEL ASSY
1	1	D5366-15	FWD PANEL WEBBING
2	1	D5366-17	FWD PANEL MESH
3	1	D5366-19	FWD PANEL POCKET
4	6	D5366-23	BUCKLE STRAP



D5366-045 FWD PANEL ASSY
(EXPLODED VIEW)

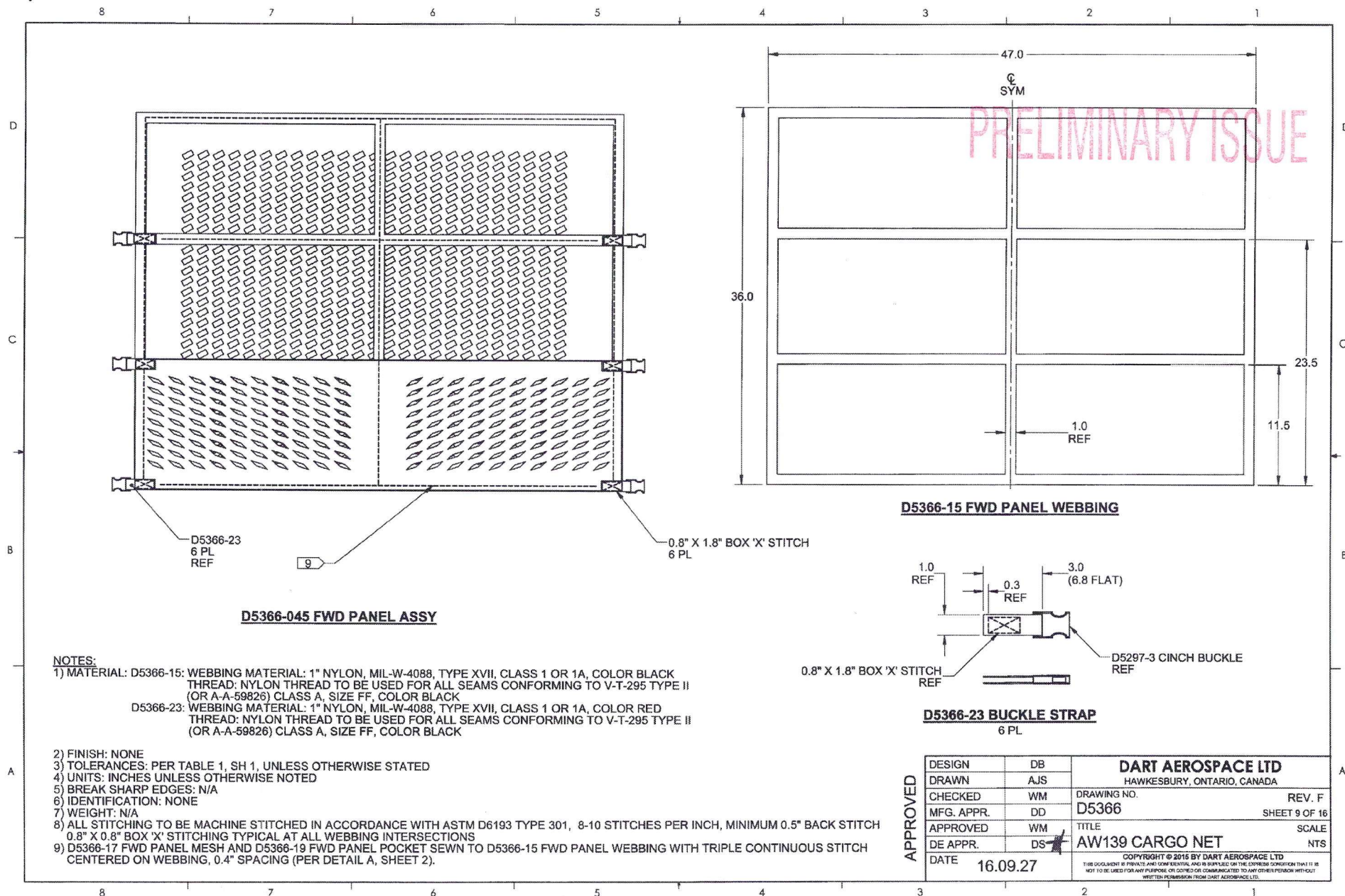
NOTES:

- 1) MATERIAL: N/A
- 2) FINISH: N/A
- 3) TOLERANCES: PER TABLE 1, SH 1, UNLESS OTHERWISE STATED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: N/A
- 6) IDENTIFICATION: N/A
- 7) WEIGHT: N/A
- 8) ALL STITCHING TO BE MACHINE STITCHED IN ACCORDANCE WITH ASTM D6193 TYPE 301, 8-10 STITCHES PER INCH, MINIMUM 0.5" BACK STITCH
0.8" X 0.8" BOX 'X' STITCHING TYPICAL AT ALL WEBBING INTERSECTIONS

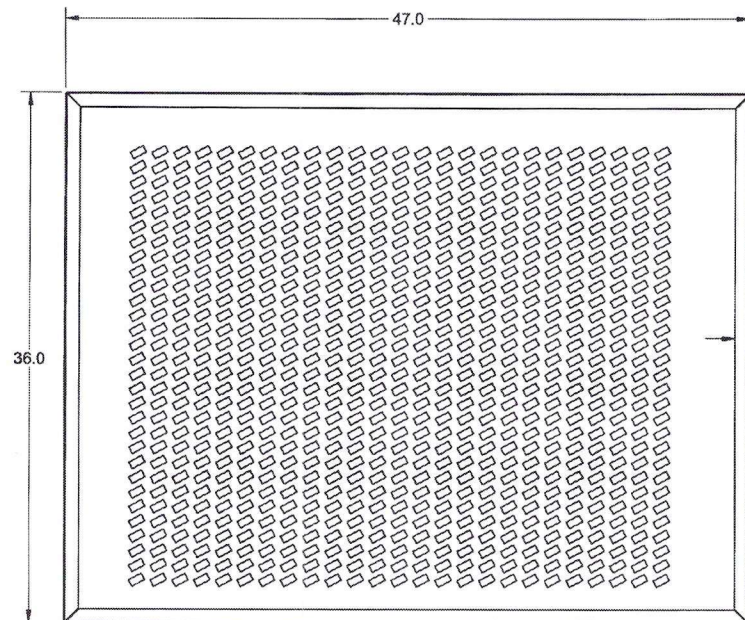
PRELIMINARY ISSUE

APPROVED

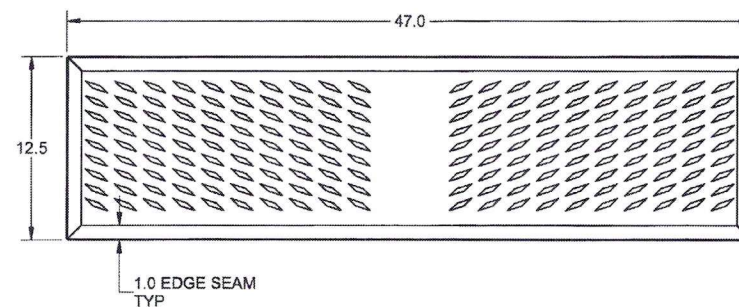
DESIGN	DB	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	AJS		
CHECKED	WM	DRAWING NO.	REV. F
MFG. APPR.	DD	D5366	SHEET 8 OF 16
APPROVED	WM	TITLE	SCALE
DE APPR.	DS	AW139 CARGO NET	NTS
DATE	16.09.27	COPYRIGHT © 2015 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	



PRELIMINARY ISSU



D5366-17 FWD PANEL MESH



D5366-19 FWD PANEL POCKET

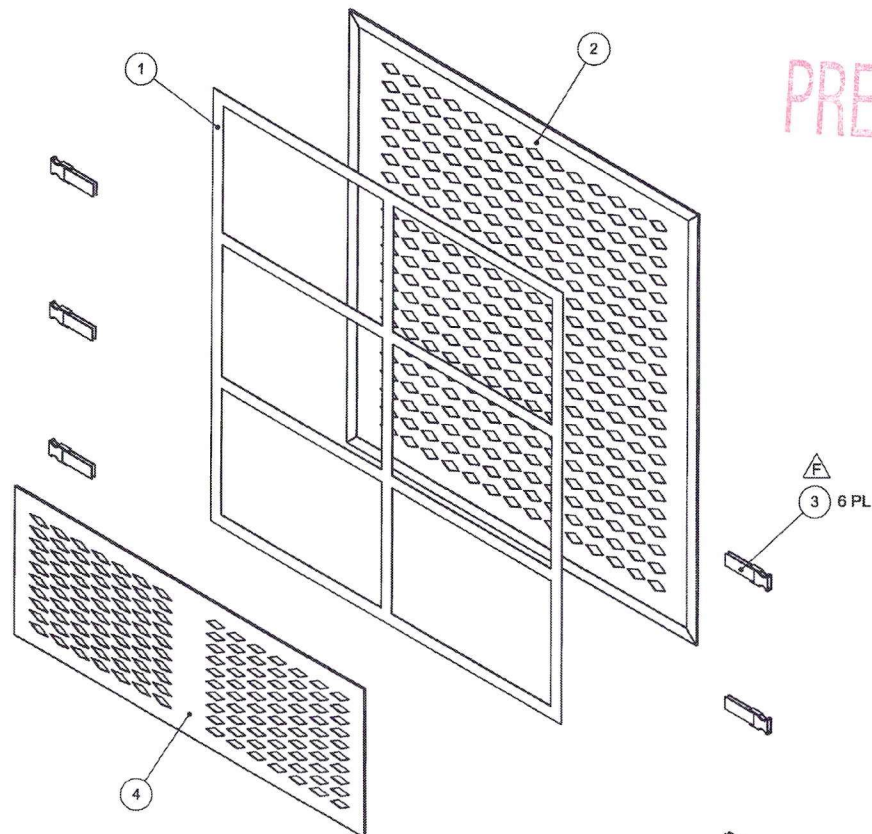
NOTES:

- 1) MATERIAL: 100% H.T. NYLON MESH BLACK (NOM. 12 X 24 HOLES PER INCH), 0.045 THICK, STYLE TP21J (APEX MILLS CORPORATION) OR MARION #8885
- 2) FINISH: NONE
- 3) TOLERANCES: PER TABLE 1, SH 1, UNLESS OTHERWISE STATED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: N/A
- 6) IDENTIFICATION: NONE
- 7) WEIGHT: N/A

APPROVED

DESIGN	DB	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	AJS		
CHECKED	WM	DRAWING NO.	REV. F
MFG. APPR.	DD	D5366	SHEET 10 OF 16
APPROVED	WM	TITLE	SCALE
DE APPR.	DS	AW139 CARGO NET	NTS
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ITEM	QTY -047	P/N	DESCRIPTION
	X	D5366-047	AFT PANEL ASSY
1	1	D5366-25	AFT PANEL WEBBING
2	1	D5366-27	AFT PANEL MESH
3	6	D5366-23	BUCKLE STRAP
4	1	D5366-29	AFT PANEL POCKET



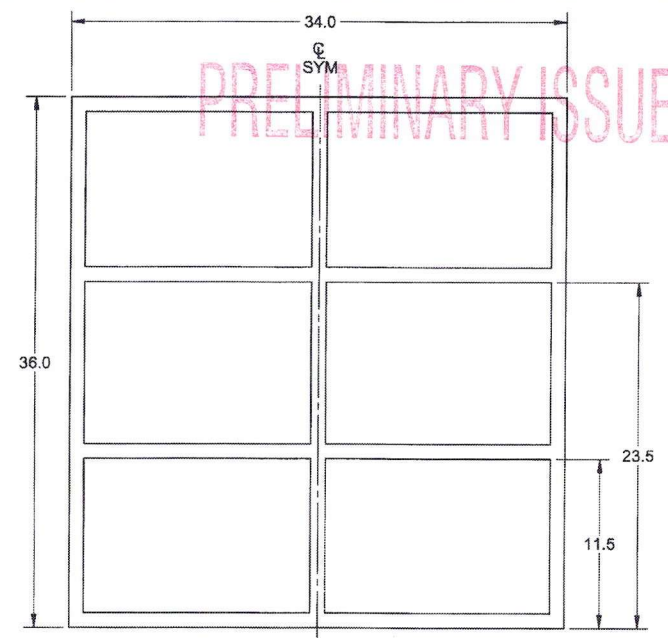
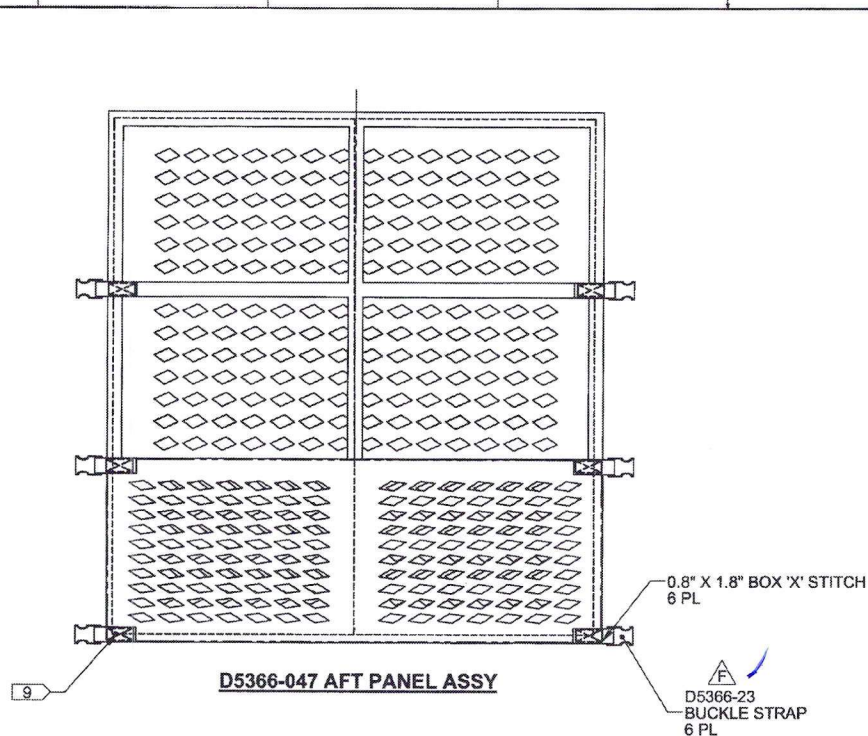
PRELIMINARY ISSUE

D5366-047 AFT PANEL ASSY
(EXPLODED VIEW)

NOTES:

- 1) MATERIAL: N/A
- 2) FINISH: N/A
- 3) TOLERANCES: PER TABLE 1, SH 1, UNLESS OTHERWISE STATED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: N/A
- 6) IDENTIFICATION: N/A
- 7) WEIGHT: N/A
- 8) ALL STITCHING TO BE MACHINE STITCHED IN ACCORDANCE WITH ASTM D6193 TYPE 301, 8-10 STITCHES PER INCH, MINIMUM 0.5" BACK STITCH 0.8" X 0.8" BOX "X" STITCHING TYPICAL AT ALL WEBBING INTERSECTIONS

DESIGN	DB	DART AEROSPACE LTD	
DRAWN	AJS	HAWKESBURY, ONTARIO, CANADA	
CHECKED	WM	DRAWING NO.	REV. F
MFG. APPR.	DD	D5366	SHEET 11 OF 16
APPROVED	WM	TITLE	SCALE
DE APPR.	DS	AW139 CARGO NET	NTS
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D5366-047 AFT PANEL ASSY

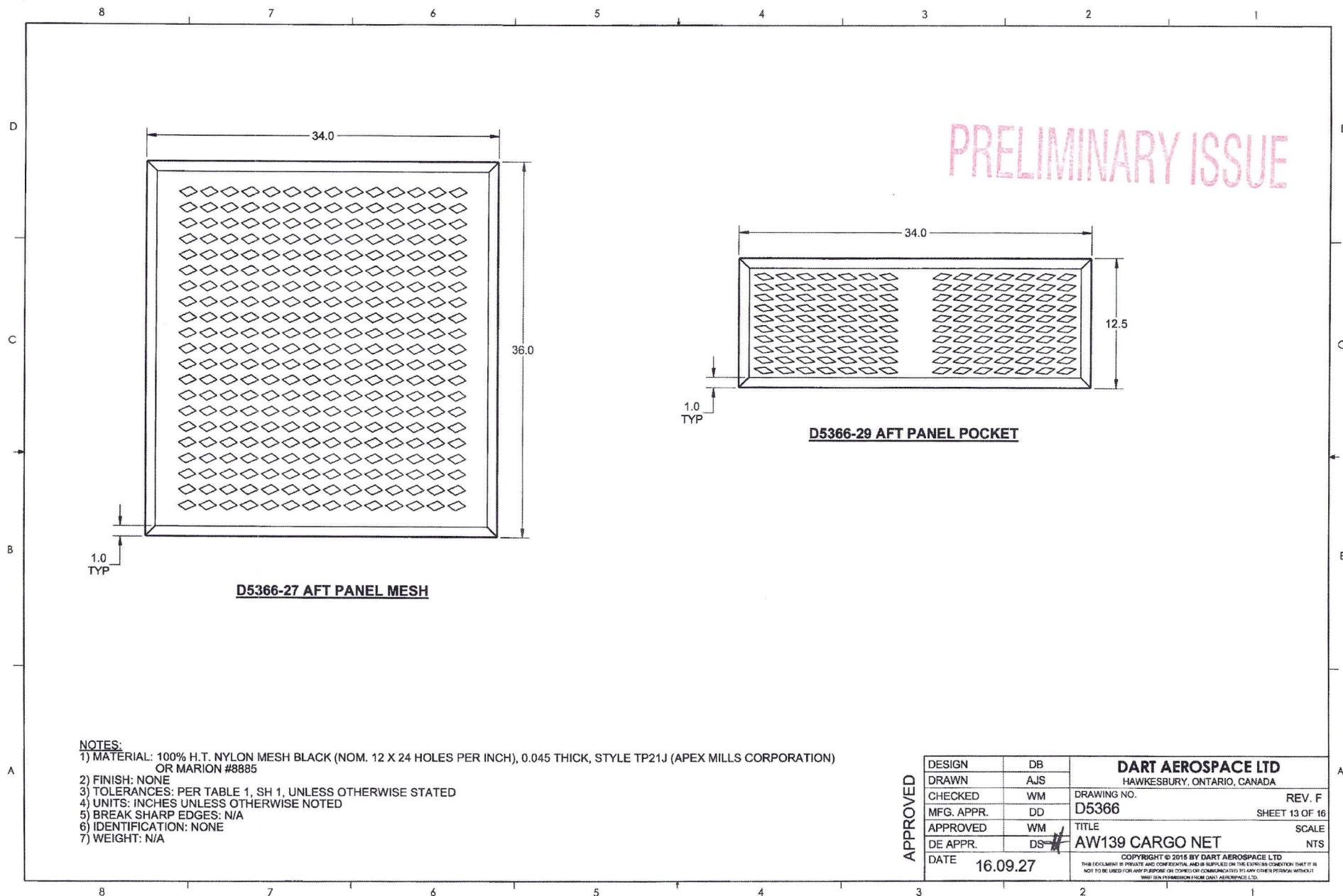
D5366-25 AFT PANEL WEBBING

NOTES:

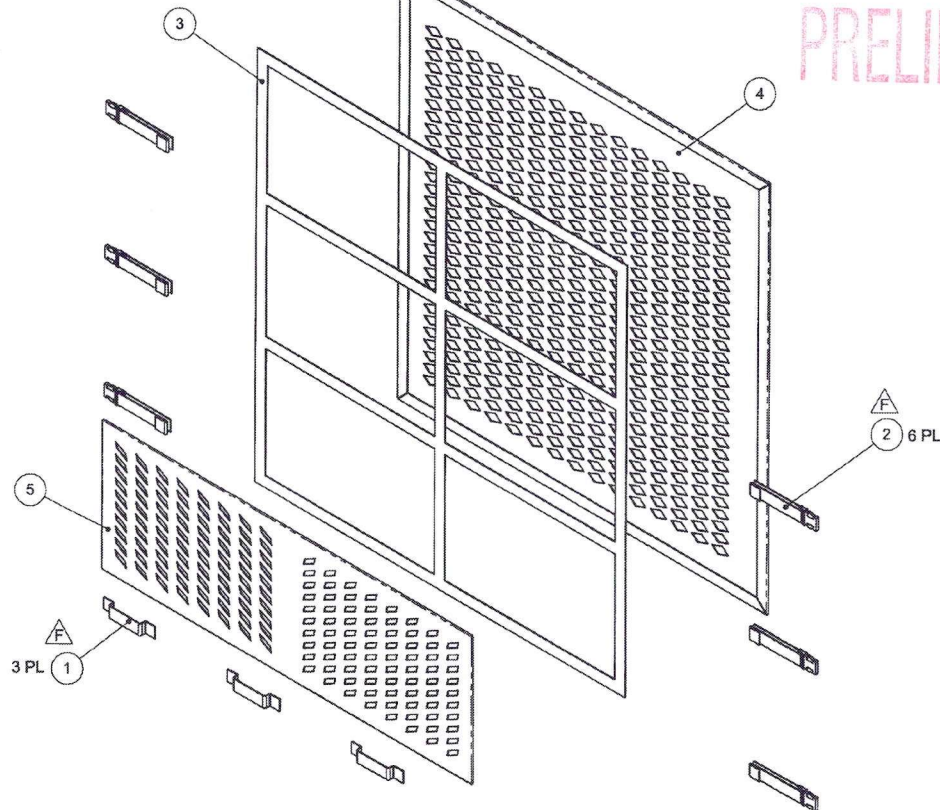
- 1) MATERIAL: D5366-25: WEBBING MATERIAL: 1" NYLON, MIL-W-4088, TYPE XVII, CLASS 1 OR 1A, COLOR BLACK
THREAD: NYLON THREAD TO BE USED FOR ALL SEAMS CONFORMING TO V-T-295 TYPE II (OR A-A-59826) CLASS A, SIZE FF, COLOR BLACK
- 2) FINISH: NONE
- 3) TOLERANCES: PER TABLE 1, SH 1, UNLESS OTHERWISE STATED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: N/A
- 6) IDENTIFICATION: NONE
- 7) WEIGHT: N/A
- 8) ALL STITCHING TO BE MACHINE STITCHED IN ACCORDANCE WITH ASTM D6193 TYPE 301, 8-10 STITCHES PER INCH, MINIMUM 0.5" BACK STITCH
0.8" X 0.8" BOX 'X' STITCHING TYPICAL AT ALL WEBBING INTERSECTIONS
- 9) D5366-27 AFT PANEL MESH AND D5366-29 AFT PANEL POCKET SEWN TO D5366-25 AFT PANEL WEBBING WITH TRIPLE CONTINUOUS STITCH
CENTERED ON WEBBING, 0.4 SPACING (PER DETAIL A, SHEET 2).

APPROVED

DESIGN	DB	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	AJS		
CHECKED	WM	DRAWING NO.	REV. F
MFG. APPR.	DD	D5366	SHEET 12 OF 16
APPROVED	WM	TITLE	SCALE
DE APPR.	DS	AW139 CARGO NET	NTS
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ITEM	QTY	P/N	DESCRIPTION
	X	D5366-049	SIDE PANEL ASSY
1	3	D5366-7	SHORT LOOP
2	6	D5366-31	CINCH STRAP
3	1	D5366-33	SIDE PANEL WEBBING
4	1	D5366-35	SIDE PANEL MESH
5	1	D5366-37	SIDE PANEL POCKET



D5366-049 SIDE PANEL ASSY
(EXPLODED VIEW)

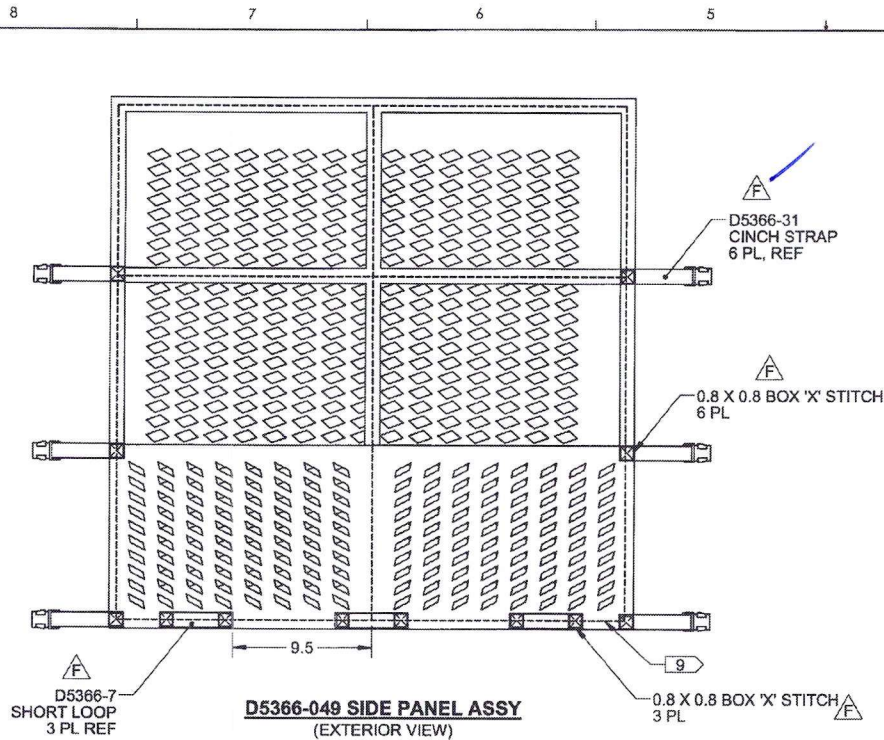
NOTES:

- 1) MATERIAL: N/A
- 2) FINISH: N/A
- 3) TOLERANCES: PER TABLE 1, SH 1, UNLESS OTHERWISE STATED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: N/A
- 6) IDENTIFICATION: N/A
- 7) WEIGHT: N/A
- 8) ALL STITCHING TO BE MACHINE STITCHED IN ACCORDANCE WITH ASTM D6193 TYPE 301, 8-10 STITCHES PER INCH, MINIMUM 0.5" BACK STITCH
0.8" X 0.8" BOX 'X' STITCHING TYPICAL AT ALL WEBBING INTERSECTIONS

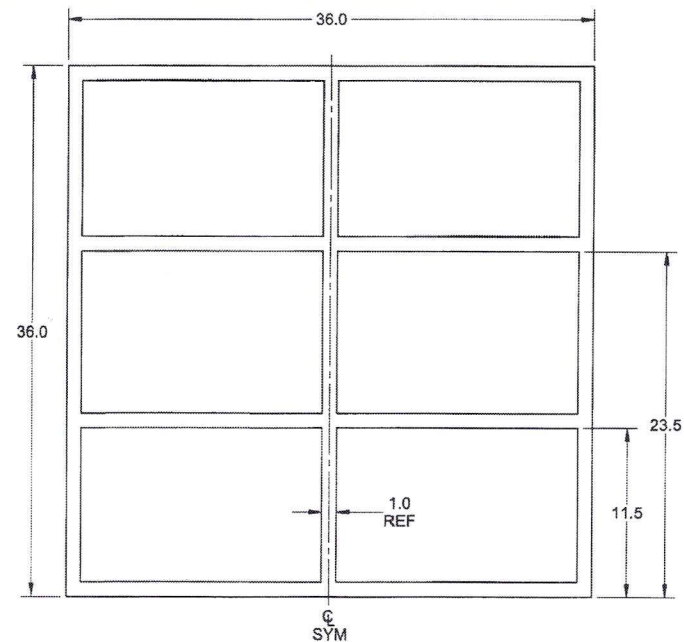
APPROVED

DESIGN	DB	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	AJS		
CHECKED	WM	DRAWING NO.	REV. F
MFG. APPR.	DD	D5366	SHEET 14 OF 16
APPROVED	WM	TITLE	SCALE
DE APPR.	DS	AW139 CARGO NET	NTS
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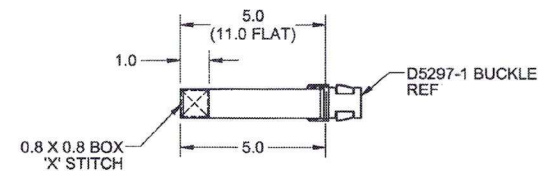
PRELIMINARY ISSUE



D5366-049 SIDE PANEL ASSY
(EXTERIOR VIEW)



D5366-33 SIDE PANEL WEBBING



D5366-31 CINCH STRAP

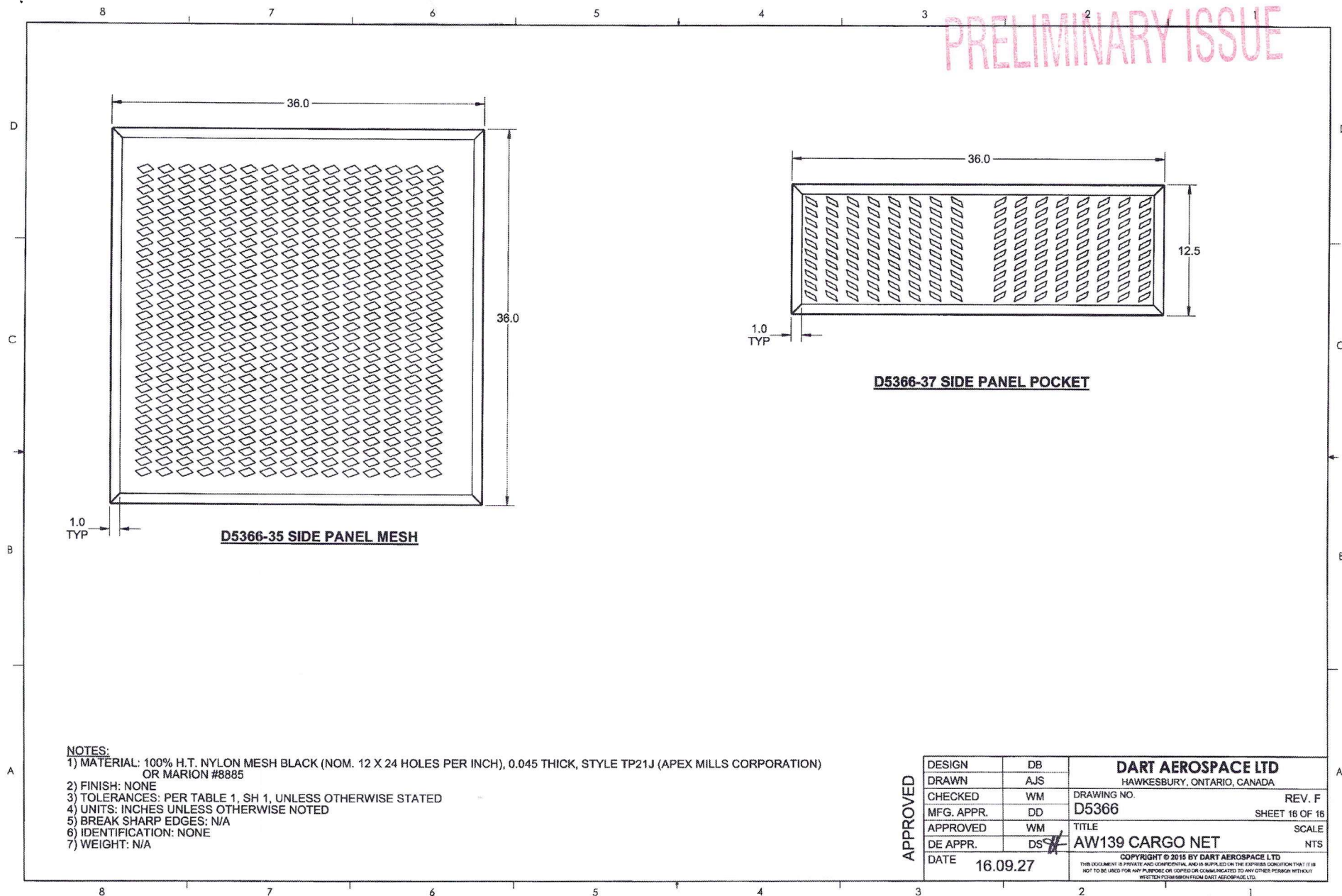
NOTES:

- 1) MATERIAL: D5366-33: WEBBING MATERIAL: 1" NYLON, MIL-W-4088, TYPE XVII, CLASS 1 OR 1A, COLOR BLACK
THREAD: NYLON THREAD TO BE USED FOR ALL SEAMS CONFORMING TO V-T-295 TYPE II (OR A-A-59826) CLASS A, SIZE FF, COLOR BLACK
D5366-31: WEBBING MATERIAL: 1" NYLON, MIL-W-4088, TYPE XVII, CLASS 1 OR 1A, COLOR RED
THREAD: NYLON THREAD TO BE USED FOR ALL SEAMS CONFORMING TO V-T-295 TYPE II (OR A-A-59826) CLASS A, SIZE FF, COLOR BLACK
- 2) FINISH: NONE
- 3) TOLERANCES: PER TABLE 1, SH 1, UNLESS OTHERWISE STATED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: N/A
- 6) IDENTIFICATION: NONE
- 7) WEIGHT: N/A
- 8) ALL STITCHING TO BE MACHINE STITCHED IN ACCORDANCE WITH ASTM D6193 TYPE 301, 8-10 STITCHES PER INCH, MINIMUM 0.5" BACK STITCH
0.8" X 0.8" BOX 'X' STITCHING TYPICAL AT ALL WEBBING INTERSECTIONS
- 9) D5366-35 SIDE PANEL MESH AND D5366-37 SIDE PANEL POCKET SEWN TO D5366-33 SIDE PANEL WEBBING WITH TRIPLE CONTINUOUS STITCH
CENTERED ON WEBBING, 0.4 SPACING (PER DETAIL A, SHEET 2).

APPROVED

DESIGN	DB	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	AJS	DRAWING NO.	REV. F
CHECKED	WM	D5366	SHEET 15 OF 18
MFG. APPR.	DD	TITLE	SCALE
APPROVED	WM	AW139 CARGO NET	NTS
DE APPR.	DS	COPYRIGHT © 2015 BY DART AEROSPACE LTD	
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PRELIMINARY ISSUE



D5366-35 SIDE PANEL MESH

D5366-37 SIDE PANEL POCKET

NOTES:

- 1) MATERIAL: 100% H.T. NYLON MESH BLACK (NOM. 12 X 24 HOLES PER INCH), 0.045 THICK, STYLE TP21J (APEX MILLS CORPORATION) OR MARION #8885
- 2) FINISH: NONE
- 3) TOLERANCES: PER TABLE 1, SH 1, UNLESS OTHERWISE STATED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: N/A
- 6) IDENTIFICATION: NONE
- 7) WEIGHT: N/A

APPROVED

DESIGN	DB	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	AJS		
CHECKED	WM	DRAWING NO.	REV. F
MFG. APPR.	DD	D5366	SHEET 16 OF 16
APPROVED	WM	TITLE	SCALE
DE APPR.	DS	AW139 CARGO NET	NTS
DATE	16.09.27	COPYRIGHT © 2015 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO33790**

Purchase Order Date 9/28/2016

PO Print Date 9/28/2016

Page Number 1 of 2

Order From :

VC-TUL001

Ship To : DART AEROSPACE LTD

TULMAR SAFETY SYSTEMS
1123 CAMERON ST
HAWKESBURY, ON K6A 2B8
CA

1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name

Vendor Phone 613 632 1282

Ship To Contact

Ship To Phone

Ship Via: VENDOR'S TRUCK

Ship Acct:

Buyer

Customer POID

Customer Tax # 10127-2607

Terms Net 30

Currency CAD

FOB FCA - (Free Carrier)

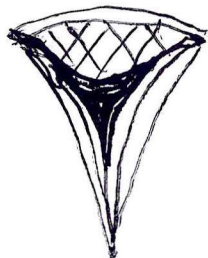
Line Nbr	Reference Vendor Part Number Line Comments Delivery Comments	Description/ Mfg ID	Req Date/ Taxable Promise Date	CD	Req Qty/ Unit of Measure	PO Unit Price	Extended Price
1	D139-1012-041P	AW139 Cargo Net Assembly	9/30/2016 Yes 9/30/2016	FN	1.00 Each	\$1,155.80	\$1,155.80

mod to AW139 cargo net per dwg.D5366 RevF6 - and D5256 RevD3
Includes: Raw Materials, Design Engineering and Mfg. Engineering
Tulmar will start working on the mod,
copy of the approved drawing will be required to release the modified net to Dart

16-9-29

Line Total:

\$1,155.80



Note:

9/28/2016

B/N'S

PACKING SLIP

TULMAR

Tulmar Safety Systems Inc.
1123 Cameron Street
Hawkesbury, ON K6A 2B8
Tel: 613-632-1282
Fax: 613-632-2030
GST R132478223
MID : XOTULSAF1123HAW
email: info@tulmar.com

Packing Slip No Page

58442 1

Ship Date
9/29/2016

Bill To:

Dart Aerospace

1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Canada

Ship To:

Dart Aerospace

1270 Aberdeen Street
Tel: 613-632-9577
Hawkesbury, ON K6A 1K7
Canada

Order number	Sales order date	Account number	Loc	Account manager
34209	9/28/2016	CDART100	H	Francine Bigras
PO number	Ship via	Shipping Terms		
PO33790	Pick-Up	FOB HAWKESBURY		
Item No. Description	Quantity ordered	UOM	Qty Shipped/Returned	Quantity on back order

LN 2 QA Clauses:

A004 A005 A016 A026 A040 A041 A043
(TSS=5yrs only)

MISC MAV

D139-1012-041P AW139 Cargo Net / Assy - Mod to AW139
per dwg.D5366 RevF6 - and D5256 RevD3

Includes: Raw Materials, Design Eng &
Mfg Eng - Tulmar will start working on
the mod, copy of the approved dwg will
be required to release the modified net
to Dart.

SF 40742

1.00 EA

1.00

SP/6-9-28

Certificate of Conformance

☒ See Certification Enclosed

I hereby certify that the items listed hereon have been inspected, and / or tested (as applicable), conform to all specifications and requirements detailed in the contract or purchase order. Objective evidence to support this statement is on file, and can be made available upon request.
If any questions or concerns, please contact QA Manager @ 613-632-1282 ext. 245.

Authorized Inspector

Lorraine LaLiberté

Date:

SEP 29 2016



CERTIFICATE

Number: 230498-8784

Bally Ribbon Mills
23 North 7th St. Bally PA 19503
p 610.845.2211 f 610.845.8013

07/26/16

Qualified Lab - List No. 1935

Customer	TULMAR SAFETY SYSTEMS	Memo No.	433208
Purchase Order No.	30221-00	Shipment	
Specifications	MIL-W-4088K CLASS 1 TYPE XVII COLOR CHIP #37030 P/N TSS2262B	Shipped Via	FED X ECONO
Contract No.	LOT #9C6217 DOM:09/15 UV, MOULD, FUNGUS RESISTANT	Quantity	502 YD
BALLY RIBBON MILLS	894101000BK	Lot Quantity	1391 YDS
Pattern No.	8941-1" BLACK NYLON WEBBING		

CERTIFICATE OF CONFORMANCE

I certify that this pattern conforms with the physical, chemical, and visual quality of the Military Specifications listed above.

Jerome Richards, Quality Assurance Manager

2262-B
B#21

AUG 18 2016



D139-1012-041P

cl's used for mod.

Senaine L. (cc)
Sept. 29/16



Bally Ribbon Mills
23 North 7th St. Bally PA 19503
p 610.845.2211 f 610.845.8013

07/26/16

LAB REPORT

Number: 230498-6833

PAGE: 1

Qualified Lab - List No. 1935

Customer TULMAR SAFETY SYSTEMS

Purchase Order No. 30221-00

Shipped Via FED X ECONO

Specifications MIL-W-4088K CLASS 1 TYPE XVII
COLOR CHIP #37030 P/N TSS2262B
Contract No. UV, MOULD, FUNGUS RESISTANT
DOM: 09/15 LOT: 9C6217

Memo No. 433208

Shipped Qty 502 YD

BALLY RIBBON MILLS 894101000BK
Pattern No. 8941-1" BLACK NYLON WEBBING

Lot Qty 1391

-----T E S T S-----	*-----T E S T R E S U L T S-----*					AVERAGE	*---REQUIREMENT---	METHOD
WIDTH	1	1	1	1	1	1	1" +/- 1/16"	5020
	1	1	1	1	1	1		
	1	1	1	1	1	1		
THICKNESS	.061	.0625	.065	.06	.066	.0629	.045" TO .070"	5030
	.0645	.064	.063	.068	.07	.0659		
	.07	.069	.064	.066	.068	.0674		
WEIGHT	.994	.956	.961	.987	.998	.9792	1.15 OZ/YD MAXIMUM	5041
	.975	.945	.99	.961	.958	.9658		
	.955	.964	.948	.971	.969	.9614		
FACE AND BACK WARP ENDS	114	114	114	114	114	114	114 ENDS MINIMUM	5050
	114	114	114	114	114	114		
	114	114	114	114	114	114		
840 DENIER NYLON, 2 PLY, BRT HIGH TENACITY HEAT & LIGHT RESISTANT, NYLON 6.6								
GROUND YARN DENIER	840	840				840	840 DENIER	4021 1/
	840	840				840		
	840	840				840		
GROUND YARN TWIST/INCH	2.5	2.5				2.5	2 1/2 TPI MINIMUM	4054 2/
	2.5	2.5				2.5		
	2.5	2.5				2.5		
GROUND YARN PLY	2	2				2	2 PLY	VISUAL
	2	2				2		
	2	2				2		
PICKS PER INCH	17	17	17	17	17	17	15 PICKS MINIMUM	5050
	17	17	17	17	17	17		
	17	17	17	17	17	17		
840 DENIER NYLON, 2 PLY, BRT HIGH TENACITY HEAT & LIGHT RESISTANT, NYLON 6.6								
FILL YARN DENIER	840	840				840	840 DENIER	4021 1/
	840	840				840		
	840	840				840		
FILL YARN PLY	2	2				2	2 PLY	VISUAL
	2	2				2		
	2	2				2		
BREAKING STRENGTH	2924	3484	3081	3491	3072	3210.4	2500 LBS MINIMUM	4108
	3206	3612	3057	3523	3467	3373		
	3181	3262	3130	3379	3274	3245.2		

Continued on Next Page



LAB REPORT

PAGE: 2

Bally Ribbon Mills
23 North 7th St. Bally PA 19503
p 610.845.2211 f 610.845.8013

07/26/16

Qualified Lab - List No. 1935

Customer TULMAR SAFETY SYSTEMS

Purchase Order No. 30221-00

Shipped Via FED X ECONO

Specifications MIL-W-4088K CLASS 1 TYPE XVII
COLOR CHIP #37030 P/N TSS2262B
Contract No. UV, MOULD, FUNGUS RESISTANT
DOM: 09/15 LOT: 9C6217

Memo No. 433208

Shipped Qty 502 YD

BALLY RIBBON MILLS 894101000BK
Pattern No. 8941-1" BLACK NYLON WEBBING

Lot Qty 1391

-----TESTS-----		*-----TEST RESULTS-----*					AVERAGE	*---REQUIREMENT---	METHOD
WEAVE	PASS							PASS OR FAIL	VISUAL
WEAVE	PASS							PASS OR FAIL	VISUAL
WEAVE	PASS							PASS OR FAIL	VISUAL
WEAVE	TWO UP, TWO DOWN HERRINGBONE TWILL W/ONE CENTER REVERSAL							PASS OR FAIL	VISUAL
COLORFASTNESS/WET CROCK	5 5 5						5 5 5	3.5 MINIMUM RATING	5651
COLORFASTNESS/DRY CROCK	4.5 4.5 4.5						4.5 4.5 4.5	3.5 MINIMUM RATING	5651
COLORFASTNESS/LIGHT(FADE) GOOD								GOOD	5660
COLORFASTNESS/LIGHT(FADE) GOOD								GOOD	5660
COLORFASTNESS/LIGHT(FADE) GOOD								GOOD	5660
COLORFASTNESS/LIGHT(FADE) XENON								GOOD	5660
COLORFASTNESS/LAUNDERING FAIR								FAIR	5614 2/
COLORFASTNESS/LAUNDERING FAIR								FAIR	5614 2/
COLORFASTNESS/LAUNDERING FAIR								FAIR	5614 2/
CURVATURE	.218 .156 .218	.125 .156 .25	.125 .187 .093	.156 .218 .187	.25 .156 .093	.1748 .1746 .1682	.25" MAXIMUM		4.5.1
PH	5.61 6.28 5.56	5.61 6.28 5.56				5.61 6.28 5.56	5.0 TO 8.5		2811
NYLON YARN	PASS							PASS OR FAIL	3.3.1
NYLON YARN	PASS							PASS OR FAIL	3.3.1
NYLON YARN	PASS							PASS OR FAIL	3.3.1
NON BLEACHING	NONE							NONE	3.3.1
NON BLEACHING	NONE							NONE	3.3.1
NON BLEACHING	NONE							NONE	3.3.1
NYLON MELTING POINT	496 496 496	496 496 496				496 496 496			1534

2262-B
B#21

AUG 18 2016



I certify that the above tests were performed under my supervision in accordance with the specification test requirements and that the reported test results are true, valid and applicable to the samples tested.

Jerome Richards, Quality Assurance Manager



Bally Ribbon Mills
23 North 7th St. Bally PA 19503
p 610.845.2211 f 610.845.8013

06/16/16

B#2
LAB REPORT

Number: 239131-5629

PAGE: 1

Qualified Lab - List No. 1935

Customer TULMAR SAFETY SYSTEMS
Purchase Order No. 30133-00
Specifications MIL-W-4088K TYPE XVII CLASS 1A
P/N 2262-002
Contract No. UV, MOULD, FUNGUS RESISTANT
DOM: 06/16 LOT: 9C9713
BALLY RIBBON MILLS 402801000RD31350
Pattern No. 4028-1" RED #31350 NYLON WEBBING

Shipped Via FED X ECONOMY

Memo No. 432004

Shipped Qty 110 YD

Lot Qty 193

-----T E S T S-----	*-----T E S T R E S U L T S-----*					AVERAGE	*---REQUIREMENT---	METHOD
WIDTH	1.031	1	1.031	1	1	1.0124	1" +/- 1/16"	5020
	1.031	1.031	1.031	1.031	1.031	1.031		
THICKNESS	.056	.056	.056	.056	.056	.056	.045" TO .070"	5030
	.056	.056	.056	.056	.056	.056		
WEIGHT	.942	.942	.942	.943	.943	.9424	1.15 OZ/YD MAXIMUM	5041
	.937	.941	.941	.941	.941	.9402		
FACE AND BACK WARP ENDS	114	114	114	114	114	114	114 ENDS MINIMUM	5050
	114	114	114	114	114	114		
	840 DENIER NYLON, 2 PLY, BRT HIGH TENACITY HEAT & LIGHT RESISTANT, NYLON 6.6							
GROUND YARN DENIER	840	840				840	840 DENIER	4021 1/
	840	840				840		
GROUND YARN TWIST/INCH	2.5	2.5				2.5	2 1/2 TPI MINIMUM	4054 2/
	2.5	2.5				2.5		
GROUND YARN PLY	2	2				2	2 PLY	VISUAL
	2	2				2		
PICKS PER INCH	30	30	30	30	30	30	30 PICKS MINIMUM	5050
	30	30	30	30	30	30		
	840 DENIER NYLON, 1 PLY, BRT HIGH TENACITY HEAT & LIGHT RESISTANT, NYLON 6.6 CATCHCORD - 70 DENIER BLACK POLYESTER							
FILL YARN DENIER	840	840				840	840 DENIER	4021 1/
	840	840				840		
FILL YARN PLY	1	1				1	1 PLY	VISUAL
	1	1				1		
BREAKING STRENGTH	3556	3544	3553	3558	3571	3556.4	2500 LBS MINIMUM	4108
	3557	3533	3560	3533	3556	3547.8		
WEAVE	PASS						PASS OR FAIL	VISUAL
WEAVE	PASS						PASS OR FAIL	VISUAL
WEAVE	TWO UP, TWO DOWN HERRINGBONE TWILL W/ONE CENTER REVERSAL						PASS OR FAIL	VISUAL
COLORFASTNESS/WET CROCK	5					5	3.5 MINIMUM RATING	5651
	5					5		
COLORFASTNESS/DRY CROCK	4.5					4.5	3.5 MINIMUM RATING	5651
	4.5					4.5		
COLORFASTNESS/LIGHT (FADE) GOOD						GOOD		5660
COLORFASTNESS/LIGHT (FADE) GOOD						GOOD		5660
COLORFASTNESS/LIGHT (FADE) XENON						GOOD		5660

Continued on Next Page



LAB REPORT

PAGE: 2

Bally Ribbon Mills
23 North 7th St. Bally PA 19503
p 610.845.2211 f 610.845.8013

06/16/16

Qualified Lab - List No. 1935

Customer TULMAR SAFETY SYSTEMS
Purchase Order No. 30133-00
Specifications MIL-W-4088K TYPE XVII CLASS 1A
P/N 2262-002
Contract No. UV, MOULD, FUNGUS RESISTANT
DOM: 06/16 LOT: 9C9713
BALLY RIBBON MILLS 402801000RD31350
Pattern No. 4028-1" RED #31350 NYLON WEBBING

Shipped Via FED X ECONOMY

Memo No. 432004

Shipped Qty 110 YD

Lot Qty 193

-----TESTS-----		*-----TEST RESULTS-----*					AVERAGE	*---REQUIREMENT---	METHOD
COLORFASTNESS/LAUNDERING	FAIR							FAIR	5614 2/
COLORFASTNESS/LAUNDERING	FAIR							FAIR	5614 2/
COLORFAST/LIGHT CATCHCORD	GOOD							GOOD	5660
COLORFAST/LIGHT CATCHCORD	GOOD							GOOD	5660
COLORFAST/LIGHT CATCHCORD	XENON							GOOD	5660
COLORFAST/LAUND CATCHCORD	GOOD							FAIR	5614
COLORFAST/LAUND CATCHCORD	GOOD							FAIR	5614
CURVATURE		.062	.062	.062	.125	.125	.0872	.25" MAXIMUM	4.5.1
		.125	.125	.093	.093	.156	.1184		
PH		5.27	5.27				5.27	5.0 TO 8.5	2811
		5.55	5.55				5.55		
NYLON YARN	PASS							PASS OR FAIL	3.3.1
NYLON YARN	PASS							PASS OR FAIL	3.3.1
NON BLEACHING	NONE							NONE	3.4.3 1/
NON BLEACHING	NONE							NONE	3.4.3 1/
NYLON MELTING POINT		482	482				482		1534
		482	482				482		

I certify that the above tests were performed under my supervision in accordance with the specification test requirements and that the reported test results are true, valid and applicable to the samples tested.

JUN 22 2016

Jerome Richards, Quality Assurance Manager

2262-002
B #2





B#2

CERTIFICATE

Number: 239131-7953

Bally Ribbon Mills
23 North 7th St. Bally PA 19503
p 610.845.2211 f 610.845.8013

06/16/16

Qualified Lab - List No. 1935

Customer	TULMAR SAFETY SYSTEMS	Memo No.	432004
Purchase Order No.	30133-00	Shipment	
Specifications	MIL-W-4088K TYPE XVII CLASS 1A P/N 2262-002	Shipped Via	FED X ECONOMY
Contract No.	LOT #9C9713 DOM:06/16 UV, MOULD, FUNGUS RESISTANT	Quantity	110 YD
BALLY RIBBON MILLS	402801000RD31350	Lot Quantity	193 YDS
Pattern No.	4028-1" RED #31350 NYLON WEBBING		

CERTIFICATE OF CONFORMANCE

I certify that this pattern conforms with the physical, chemical, and visual quality of the Military Specifications listed above.

Jerome Richards, Quality Assurance Manager

2262-002
B#2

JUN 22 2016





160 Milner Avenue, Toronto, ON M1S 3R3, CANADA
Tel: 416-412-7144 / 1-888-412-7144 Fax: 416-412-7145
Email: sales@ctscargotiedown.com
Website: www.ctscargotiedown.com

Customer Name	Purchase Order Number	Packing slip No.	Purchase Date (MM-DD-YYYY)
TULMAR SAFETY SYSTEMS INC.	30298-00	188455	06-30-2016

Certificate of Compliance – Hardware/Webbing

Qty.	Item No.	Description	WORKING LOAD LIMIT (LBS)	BREAKING STRENGTH (LBS)	Country of Origin
1	P6002-50-330	2" POLYESTER WEBBING, COLOUR: RED		6,000	CN
1	P2502-25=330	1" POLYESTER WEBBING, COLOUR: RED		2,500	CN

I hereby certify that the goods listed hereon have been inspected and/or tested, as applicable, and conform to all specifications and requirements detailed in the contract or purchase order and relevant quality clauses. This report is applicable only to the sample or samples tested. Rework of this product may alter these results.

Signed by: *Al. Fong*

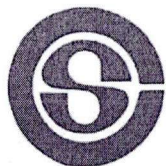
Design Factor

The design factor for tie downs shall be a minimum of 3.

Proof Test

Has been test to a minimum of one and one half (1.5) times the working load limit (WLL).

TSS 22038-001 B/2 *PL*



cansew inc.

formerly / anciennement
Canadian Sewing Supply Ltd. / Ltée – established / établie 1924

Manufacturers of sewing threads. / Wholesalers of elastics, Velcro, tapes, trimmings.
Fabricants de fils à coudre. / Grossistes d'élastiques, Velcro, galons, garnitures.

10 May 2010

Tulmar Safety Systems
1123 Cameron Street
Hawksbury, Ontario
K6A 2B8

Att. Sandra Nadeau

CERTIFICATE OF COMPLIANCE

This is to certify that the item mentioned below, shipped to Tulmar Safety Systems by CANSEW INC. on 10 May 2010, has been produced in accordance with the conditions set forth in Purchase Order no. 17817-00 of the same day:

-Bonded Nylon CB138 tex 135 – 10.40 lb, colour black, lot # 188476

The product meets the requirements of specification V-T-295, Type 2, Class A, Size FF.

Yours truly,

Hershie Schachter
CANSEW INC.

MONTRÉAL - Head Office/Siège social
111 Chabanel W / O H2N 1C9
Administration (514) 382-2807
Commandes/Orders (514) 382-2801
1-800-361-7722
FAX: (514) 385-5530

TORONTO
28 Apex Rd. M6A 2V2
(416) 782-1122
1-800-367-8584
FAX: (416) 782-8358

WINNIPEG
1674 Church Ave R2X 2W9
(204) 942-4264
1-800-665-0701
FAX: (204) 947-9280

CALGARY
3932 - 29th St. N.E. T1Y 6B6
(403) 291-4494
1-800-667-4197
FAX: (403) 291-5139

VANCOUVER
1615 Venables St. V5L 2H1
(604) 682-4341
1-800-580-0737
FAX: (604) 682-4196

info@cansew.ca

www.cansew.ca

TS 2547/05 (Sw)

June 7, 2016

TULMAR SAFETY SYSTEMS
 1123 CAMERON STREET
 HAWKSBURY, ONTARIO
 K6A 2B8

CERTIFICATE OF COMPLIANCE

This is to certify that the item mentioned below, shipped to Tulmar Safety Systems by Cansew Inc. on June 7, 2016, has been produced in accordance with the requirements of Purchase Order no. 30203-00 of the same date:

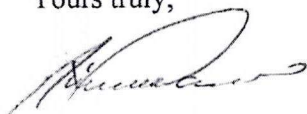
- **NB CBB92 LB;** Cansew Nylon – Qty 44.26 lbs, Colour: Black
 LOT #: F78826

Description

Thread, Nylon, Twisted, Black, A-A-59826, TY2, CLA, Size F, CBB92, (Supercedes V-T-295)

Hazardous Materials Acknowledgement	The items described below may contain, and their processing may have include, the following substances:	Hexavalent Chromium: Cadmium: Beryllium; Nickel; Mercury; Lead; Asbesotos; Radioactive elements YES NO ●
Country of Origin of Goods: USA		
Limited Shelf-Life	<u>Definition:</u> If material is consumed or transformed into final product before end of shlf-life there is no effect on final product.	These items have limited Shelf-Life YES NO ●
Expiry date	<u>Definition:</u> Date after which performance will no longer be as intended – expiration is transferred to the final product.	These items have expiry date YES NO ●

Yours truly,


Richard Doré
 Sales Manager


JUN 08 2016

2530 B#56

MONTREAL
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 Tel. (514) 382-2801
 1-800-361-7722
 Fax: (514) 385-5530
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www.cansew.ca
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 28 Apex Rd. M6A 2V2
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 (416)782-8358
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